





```
61 GTGTTGCTCCGCAACCTCTTGAAGCTGTTTCAAGACCGCTTCCGCGGGGCCACTA 120
b |
734 GTGTTGCTCCGCAACCTCTTGAAGCTGTTTCAAGACCGCTTCCGCGGGGCCACTA 793
y |
121 GCGCGGGCGGGTGGGACCCAGCGGAGCGGCGGAGCGCTTCCACGCGCTGACT 180
b |
794 GCGCGGGCGGGTGGGACCCAGCGGAGCGGCGGAGCGCTTCCACGCGCTGACT 853
y |
181 CGGTTT-ACACGCGCGGCGGCGGAGGAGCGCTTCTCCGCTATCAGTCCCGT 239
b |
854 CGGTTTAAACACGCGGCGGCGGAGGAGCGCTTCTCCGCTATCAGTCCCGT 913
y |
240 CGCTTCCGCACTCCGCGGCGGCGGAGGAGCGCTTCTCCGCTATCAGTCCCGT 299
b |
914 CGCTTCCGCACTCCGCGGCGGCGGAGGAGCGCTTCTCCGCTATCAGTCCCGT 973
y |
300 ACTTTTAAAGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 359
b |
974 ACTTTTAAAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1032
y |
360 GAAGTATGCGCTTGGAGTTGCTAAATGCAAAATGCAAAATGCAAAATGCAAA 419
b |
1033 GAAGTATGCGCTTGGAGTTGCTAAATGCAAAATGCAAAATGCAAAATGCAAA 1092
y |
420 CTTTATCTCTCTCTGGAAGATTCGCTAGAGTTTGTGGGCTTCAAAAGCTGT 479
b |
1093 CTTTATCTCTCTCTGGAAGATTCGCTAGAGTTTGTGGGCTTCAAAAGCTGT 1152
y |
480 GTTCAGAGTTAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 539
b |
1153 GTTCAGAGTTAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1212
y |
540 TCACCTCTCCCTATCTGAAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 599
b |
1213 TCACCTCTCCCTATCTGAAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1272
y |
600 AAGTCTTGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 659
b |
1273 AAGTCTTGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1332
y |
660 TCCTGCTTTTGTGTTTAAACCTGCTGCTTCCACCTTCCACCTTCCACCTTCC 719
b |
1333 TCCTGCTTTTGTGTTTAAACCTGCTGCTTCCACCTTCCACCTTCCACCTTCC 1392
y |
720 ACCGCGAGCGGCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 779
b |
1393 ACCGCGAGCGGCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1452
y |
780 TAGACCTGTTGTTAGTACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 839
b |
1453 TAGACCTGTTGTTAGTACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1512
y |
840 GCATTTTGTGTTTGTGTTTGTGTTTGTGTTTGTGTTTGTGTTTGTGTTTGT 899
b |
1513 GCATTTTGTGTTTGTGTTTGTGTTTGTGTTTGTGTTTGTGTTTGTGTTTGT 1572
y |
900 ATTTTGTGTTTCTTTT 918
b |
1573 ATTTTGTGTTTCTTTT 1591
y |
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## RESULT 5

```
US-09-764-891-2489/c
; Sequence 2489, Application US/09764891
; Publication No. US20030077808A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC006
; CURRENT APPLICATION NUMBER: US/09764,891
; PRIOR FILING DATE: 2001-01-17
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 10231
```

SOFTWARE: PatentIn Ver. 2.0

```
; SEQ ID NO 2489
; LENGTH: 253
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURES:
; NAME/KEY: SITE
; LOCATION: (247)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: SITE
; LOCATION: (250)
; OTHER INFORMATION: n equals a,t,g, or c
US-09-764-891-2489
```

Query Match 16.5%; Score 151.8; DB 11; Length 253;

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Best Local Similarity 82.1%; Pred. No. 4.4e-34;
Matches 202; Conservative 0; Mismatches 38; Indels 6; Gaps 4;
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QY 102 CTTGCGCGGGGCCCACTAGGCGGGCGGGGGTTGGACCCAGCGGAGCCGGGGCAGCC 161
Db |
253 CTNNCCNCGGGGCCCACTAGGCGGGCGGGGGTTGGACCCAGCGGAGCCGGGGCAGCC 195
QY 162 TGGCTCCACGCGCTGACTCGGTTTACACGCGGGCGGGCGCGGAGGAGGCTGCGTTTC 221
Db |
194 T-GCTCCACGCGCTGACTCGGTTTACA-CGCGGGCGGGCGCGGAGGAGGCTGCGTTTC 137
QY 222 CTCGCTATCAGTCCGCTGCTGCGGACCTCCGGGCCCGCGGCTGCTGCTGCTGCTT 281
Db |
136 CTCGCTATCAGTCCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 80
QY 282 GTTTGAAAGATCGTGGAACTTTTAAAGAGAGNNNNNNNNNNNNNNNNNNNNNNNN 341
Db |
79 GTTTGAAAGATCGTGGAACTTTTAAAGAGAGTATTAAAAAAGAGGCGGCGCC 20
QY 342 NTTCAC 347
Db |
19 GCTCGC 14
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## RESULT 6

```
US-10-007-280A-113
; Sequence 113, Application US/10007280A
; Publication No. US20030059784A1
; GENERAL INFORMATION:
```

```
; APPLICANT: Sun, Yongming
; APPLICANT: Recipon, Herve
; APPLICANT: Salceda, Susana
; APPLICANT: Chenghua Liu
; TITLE OF INVENTION: Compositions and Methods Relating to Ovary Specific Genes and Pri
; FILE REFERENCE: DEX-0257
; CURRENT APPLICATION NUMBER: US/10/007,280A
; CURRENT FILING DATE: 2001-11-07
; PRIOR APPLICATION NUMBER: US 60/246,640
; PRIOR FILING DATE: 2000-11-08
; NUMBER OF SEQ ID NOS: 238
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 113
; LENGTH: 756
; TYPE: DNA
; ORGANISM: Homo sapien
US-10-007-280A-113
```

Query Match 10.7%; Score 98.4; DB 14; Length 756;

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Best Local Similarity 99.0%; Pred. No. 3.6e-13;
Matches 99; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY 214 TGCCTTCTCCGCTATCAGTCCCGTTCGCTTCGCGGACCTCCGGGCCCCCGCGGCTGGCT 273
Db |
642 TGTGTTTCTCCGCTATCAGTCCCGTTCGCTTCGCGGACCTCCGGGCCCCCGCGGCTGGCT 701
QY 274 AATGTTTGTGTTGAAAGATCGTGGAACTTTTAAAGAG 313
Db |
702 AATGTTTGTGTTGAAAGATCGTGGAACTTTTAAAGAG 741
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QY 61 TCTTTCCGAGGCCAGCGTCTCTGCCCCAAATTCACCGGAAAGGGCCCGGGCGGAG 120  
Db 61 TCTTTCCGAGGCCAGCGTCTCTGCCCCAAATTCACCGGAAAGGGCCCGGGCGGAG 120  
QY 121 GTGCGACCGGGGTGGGAGCGGACCTCTGCGCTTCTCTCACAGGTGCGTGGCTCG 180  
Db 121 GTGCGACCGGGGTGGGAGCGGACCTCTGCGCTTCTCTCACAGGTGCGTGGCTCG 180  
QY 181 CTCTCCGCTTCCCGCCGACTGCGTGCAGTCCATGCTAGACGCGCGGACAGGACT 240  
Db 181 CTCTCCGCTTCCCGCCGACTGCGTGCAGTCCATGCTAGACGCGCGGACAGGACT 240  
QY 241 GATGGCGGACCGGCTGCGGAGGAGGACGACCAATAGTGTGTTTCTCGCTAT 300  
Db 241 GATGGCGGACCGGCTGCGGAGGAGGACGACCAATAGTGTGTTTCTCGCTAT 300  
QY 301 CAGTCCCGTCTGCGGACCTNCGGCGCCCGGCGTGGCTAATGTTTGTGAAAG 360  
Db 301 CAGTCCCGTCTGCGGACCTNCGGCGCCCGGCGTGGCTAATGTTTGTGAAAG 360  
QY 361 ATCNGTGGAAATTTTAAGAGATATTTA 388  
Db 361 ATCNGTGGAAATTTTAAGAGATATTTA 388

## RESULT 2

US-10-007-280A-113  
; Sequence 113, Application US/10007280A  
; Publication No. US20030059784A1  
; GENERAL INFORMATION:  
; APPLICANT: Sun, Yongming  
; APPLICANT: Recipon, Herve  
; APPLICANT: Salceda, Susana  
; APPLICANT: Chenghua, Liu  
; TITLE OF INVENTION: Compositions and Methods Relating to Ovary Specific Genes and Pro  
; FILE REFERENCE: DEX-0257  
; CURRENT APPLICATION NUMBER: US/10/007,280A  
; PRIOR FILING DATE: 2001-11-07  
; PRIOR APPLICATION NUMBER: US 60/246,640  
; PRIOR FILING DATE: 2000-11-08  
; NUMBER OF SEQ ID NOS: 238  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 113  
; LENGTH: 756  
; TYPE: DNA  
; ORGANISM: Homo sapien  
US-10-007-280A-113

Query Match 96.6%; Score 375; DB 14; Length 756;  
Best Local Similarity 99.2%; Pred. No. 4.2e-111;  
Matches 386; Conservative 0; Mismatches 2; Indels 1; Gaps 1;

QY 1 GTGACCTTGCACTCCCTGGCTGAAGTGGCTCTCTGCGGCTTTCTACTGGGCTGTC 60  
Db 359 GTGACCTTGCACTCCCTGGCTGAAGTGGCTCTCTGCGGCTTTCTACTGGGCTGTC 418  
QY 61 TCTTTCCGAGCCCGAGCGTCTCTGCCCCAAATTCACCGGAAAGGGCCCGGGCGGAG 120  
Db 419 TCTTTCCGAGCCCGAGCGTCTCTGCCCCAAATTCACCGGAAAGGGCCCGGGCGGAG 478  
QY 121 GTGCGACCGGGGTGGGAGCGGACCTCTGCGCTTCTCTCACAGGTGCGTGGCTCG 180  
Db 479 GTGCGACCGGGGTGGGAGCGGACCTCTGCGCTTCTCTCACAGGTGCGTGGCTCG 538  
QY 181 CTCTCCGCTTCCCGCCGACTCCGTCAGTCCATGGCTAGACGCGCGGACAGGACT 240  
Db 539 CTCTCCGCTTCCCGCCGACTCCGTCAGTCCATGGCTAGACGCGCGGACAGGACT 598  
QY 241 GATGGCGGACCGGCTGCGGAGGAGGACGACCAATAGTGTGTTTCTCGCTAT 300  
Db 599 GATGGCGGACCGGCTGCGGAGGAGGACGACCAATAGTGTGTTTCTCGCTAT 658  
QY 301 CAGTCCCGTCTGCGGACCTNCGGCGCCCGGCGTGGCTAATGTTTGTGAAAG 360

Db 659 CAGTCCCGTCTGCGGACCTCCGGGCCCCGGGCTGGCTAATGTTTGTGAAAG 718  
QY 361 ATCNGTGGAA-TTTTTAAGAGATATTTA 388  
Db 719 ATCNGTGGAACTTTTAAAGAGATATTTA 747

## RESULT 3

US-09-764-891-9700  
; Sequence 9700, Application US/09764891  
; Publication No. US20030077808A1  
; GENERAL INFORMATION:  
; APPLICANT: Rosen et al.  
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies  
; FILE REFERENCE: PC006  
; CURRENT APPLICATION NUMBER: US/09/764,891  
; CURRENT FILING DATE: 2001-01-17  
; Prior application data removed - consult PALM or file wrapper  
; NUMBER OF SEQ ID NOS: 10231  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 9700  
; LENGTH: 1593  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: SITE  
; LOCATION: (195)  
; OTHER INFORMATION: n equals a,t,g, or c  
US-09-764-891-9700

Query Match 77.0%; Score 298.6; DB 11; Length 1593;  
Best Local Similarity 97.1%; Pred. No. 2.5e-86;  
Matches 304; Conservative 0; Mismatches 9; Indels 0; Gaps 0;

QY 1 GTGACCTTGCACTCCCTGGCTGAAGTGGCTCTCTGCGGCTTTCTACTGGGCTGTC 60  
Db 450 GTGACCTTGCACTCCCTGGCTGAAGTGGCTCTCTGCGGCTTTCTACTGGGCTGTC 509  
QY 61 TCTTTCCGAGCCCGAGCGTCTCTGCCCCAAATTCACCGGAAAGGGCCCGGGCGGAG 120  
Db 510 TCTTTCCGAGCCCGAGCGTCTCTGCCCCAAATTCACCGGAAAGGGCCCGGGCGGAG 569  
QY 121 GTGCGACCGGGGTGGGAGCGGACCTCTGCGCTTCTCTCACAGGTGCGTGGCTCG 180  
Db 570 GTGCGACCGGGGTGGGAGCGGACCTCTGCGCTTCTCTCACAGGTGCGTGGCTCG 629  
QY 181 CTCTCCGCTTCCCGCCGACTCCGTCAGTCCATGGCTAGACGCGCGGACAGGACT 240  
Db 630 CTCTCCGCTTCCCGCCGACTCCGTCAGTCCATGGCTAGACGCGCGGACAGGACT 689  
QY 241 GATGGCGGACCGGCTGCGGAGGAGGACGACCAATAGTGTGTTTCTCGCTAT 300  
Db 690 GATGGCGGACCGGCTGCGGAGGAGGACGACCAATAGTGTGTTTCTCGCTAT 749  
QY 301 CAGTCCCGTCTGCT 313  
Db 750 CCTCTTGAAGCT 762

## RESULT 4

US-10-205-428-947  
; Sequence 947, Application US/10205428  
; Publication No. US20030108907A1  
; GENERAL INFORMATION:  
; APPLICANT: Rosen et al.  
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies  
; FILE REFERENCE: Pali7C1  
; CURRENT APPLICATION NUMBER: US/10/205,428  
; CURRENT FILING DATE: 2002-07-26  
; PRIOR APPLICATION NUMBER: 09/764,892  
; PRIOR FILING DATE: 2001-01-17  
; PRIOR APPLICATION NUMBER: 60/179,065

```

; PRIOR FILING DATE: 2000-11-08
; NUMBER OF SEQ ID NOS: 238
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 115
; LENGTH: 2753
; TYPE: DNA
; ORGANISM: Homo sapien
US-10-007-280A-115

      77.0%; Score 298.6; DB 14; Length 2753;
Best Local Similarity 97.1%; Pred. No. 2.9e-86;
Matches 304; Conservative 0; Mismatches 9; Indels 0; Gaps 0;

QY      1 GTGACCTTGACATCCCTCGCCCTGAGCTGCGCTCTCTGTGGCGCTTTCTACTGGGCTCGTC 60
Db      1596 GTGACCTTGACATCCCTCGCCCTGAGAGTGCCTCTCTGTGGCGCTTTCTACTGGGCTCGTC 1655
QY      61 TCCTTCCGGAGCCCCAGCGTCTCTGCCCAAATTACCCGGGAAAGGCCCGGGCGGAG 120
Db      1656 TCCTTCCGGAGCCCCAGCGTCTCTGCCCAAATTACCCGGGAAAGGCCCGGGCGGAG 1715
QY      121 GTGCGACCGGGCGTGGCAGCGCAGACCTCTTGGCCTTTCTTCACAGGTCGGTCCGCTCG 180
Db      1716 GTGCGACCGGGCGTGGCAGCGCAGACCTCTTGGCCTTTCTTCACAGGTCGGTCCGCTCG 1775
QY      181 CTTCTCCGCGTTCCCGCCCGACTGCCGTGCAGTCCATGCTAGACGGCCGGACAGGACT 240
Db      1776 CTTCTCCGCGTTCCCGCCCGACTGCCGTGCAGTCCATGCTAGACGGCCGGACAGGACT 1835
QY      241 GATGCGGGACCGCGCTGCCCGAGAAAGGACGACCAATACGTGTGTTTCTTCCCGCTAT 300
Db      1836 GATGCGGGACCGCGCTGCCCGAGAAAGGACGACCAATACGTGTGTTTCTTCCCGCTAT 300
QY      301 CAGTCCCGTCGCT 313
Db      1896 CCTCTTGAAGCT 1908

RESULT 6
US-09-764-891-2404
; Sequence 2404, Application US/09764891
; Publication No. US20030077808A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC006
; CURRENT APPLICATION NUMBER: US/09/764,891
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 10231
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2404
; LENGTH: 526
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (469)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: SITE
; LOCATION: (515)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: SITE
; LOCATION: (526)
; OTHER INFORMATION: n equals a,t,g, or c
US-09-764-891-2404

      41.2%; Score 159.8; DB 11; Length 526;
Query Match
Best Local Similarity 88.5%; Pred. No. 1.5e-41;
Matches 200; Conservative 5; Mismatches 18; Indels 3; Gaps 3;

QY      1 GTGACCTTGACATCCCTCGCCCTGAGCTGCGCTCTCTGTGGCGCTTTCTACTGGGCTCGTC 60

```

/notes="Vector: pT73D-pac (Pharmacia) with a modified polylinker; Site 1: Not I; Site 2: Eco RI; The NIH BMAP Ret4 S2 library is a subtracted library, ultimately derived from mouse retina tissue libraries at various stages of development. For a detailed description of the library from which this clone was derived, please visit our web site at [braines.eng.umd.edu](http://braines.eng.umd.edu). The tissue for this library was contributed by Dr. Xin-Yuan Fu, Yale University School of Medicine  
TAG SHO=None found"

	the	193 g	99 t
75 a	-169 c	193 g	99 t

TTCTACGAGAGAACAGAGGGCTGGCAGATAGCATCCGCCACAACCTCAGCTC 358

[illegible][illegible][illegible][illegible]

017

6960 495 bp mRNA linear EST I4-MAI-1997

6960.1 GI:1728620

Chordata; Metazoa; Chordata; Vertebrata; Euteleostomi; Homininae; Hominiidae; Homo

ssoe, S., Dietrich, N., DuBuque, T., Favello, A., Gish, W., Hawkins, Moore

erwood, K., Wohldmann, P., Waterston, R., Wilson, R. and Nalla, M.

Matches	495;	Conservative	0;	Mismatches	0;	Indels	2;	Gaps	2;
2240	TCATCTTCTCTTCGGAAGATTGGCTAGAGT	TTTTTGTGGGCTTCAAAAAGCTGTGT	2299						
495	TCATCTTCTCTTCGGAAGATTGGCTAGAGT	TTTTTGTGGGCTTCAAAAAGCTGTGT	436						
2300	TCAGAGTTAGGCAATATCCAAATAAAGATGGT	TTCGTCTACCAATTGGGGAAGTTTC	2359						
435	TCAGAGTTAGGCAATATCCAAATAAAGATGGT	TTCGTCTACCAATTGGGGAAGTTTC	376						
2360	ACCTCTCCCTATCTGAAGAAAAAATCAAAACAAAT	GTCCCGGATCTTTCGATGCAA	2419						
375	ACCTCTCCCTATCTGAAGAAAAAATCAAAACAAAT	GTCCCGGATCTTTCGATGCAA	316						
2420	GTCTCGAGCGAGGAGATCACTGCCTCGCTGGCCAGCTGT	GTGGACGGCTCGTCTCT	2479						
315	GTCTCGAGCGAGGAGATCACTGCCTCGCTGGCCAGCTGT	GTGGACGGCTCGTCTCT	256						
2480	CTGCTTTTGTGTTTTCAAAACCTCTCTGTTCTCCACCT	TGGGAAGAGAAAATGTGAAC	2539						
255	CTGCTTTTGTGTTTTCAAAACCTCTCTGTTCTCCACCT	TGGGAAGAGAAAATGTGAAC	196						
2540	CCGGCAGCGCGCAGCTAGCGCGTCTTGTGGCCCGGAGCCGG	CCCGCCCGGAAAAACATA	2599						
195	CC-GCAGCGCGCAGCTAGCGCGTCTTGTGCCCGGA	-CCGGCCCGCCCGGAAAAACATA	138						
2600	GACCTGGTGTACTGTAGCTGTGCTTTGGGGGACCAAA	TTTTTCTAGAGAGAAGCTAGAGC	2659						
137	GACCTGGTGTACTGTAGCTGTGCTTTGGGGGACCAAA	TTTTTCTAGAGAGAAGCTAGAGC	78						
2660	ACTTTGTGTGTTTTTGTGTTTTGTTTTGTTTTGTTTTG	CCGTTGCGAATCCCGAAATAAT	2719						
77	ACTTTGTGTGTTTTTGTGTTTTGTTTTGTTTTGTTTTG	CCGTTGCGAATCCCGAAATAAT	18						





	Query Match	31.9%	Score 878;	DB 14;	Length 918;
	Best Local Similarity	96.8%;	Pred. No. 7.1e-207;		
	Matches 889;	Conservative 0;	Mismatches 28;	Indels 1;	Gaps 1;
Qy	1820	CGCGCCGACAGGACTGATGCGGGACCGCGCTCCCGAGAAAGGAGACGACCAATACGT	1879		
Db	1	CGCGCCGACAGACTGATGCGGGACCGCGCTCCCGAGAAAGGAGACGACCAATACGT	60		
Qy	1880	GTGTTTCTCCGGAAACCCCTTTGAAGCTGTTCAGAACCGCTTTCGCGGGGGCCCACTA	1939		
Db	61	GTGTTTCTCCGGAAACCCCTTTGAAGCTGTTCAGAAAGCGCTTTCGCGGGGGCCCACTA	120		
Qy	1940	GGCGGGCGGGGGTTGGAGCCACGCGGAGCGGGGAGCGCTGCCTCCACGGCTCTGACT	1999		
Db	121	GGCGGGCGGGGGTTGGAGCCACGCGGAGCGGGGAGCGCTGCCTCCACGGCTCTGACT	180		
Qy	2000	CGGTTTACACCGGGGGGGCGCGAGGAGGCTTCGCTTTCCTCCGCTATCAGTCCCGTC	2059		
Db	181	CGGTTTACACCGGGGGGGCGCGAGGAGGCTTCGCTTTCCTCCGCTATCAGTCCCGTC	240		